112122

# FORM 43 ANALYTICAL PARAMETERS
## INITIAL SUBMITTAL AND RECERTIFICATION

**TCLP ANALYSIS**

pH
Phenolics
Antimony
Arsenic
Barium
Cadmium
Chromium
Hexavalent Chromium
Lead
Mercury
Nickel
Selenium
Silver
Copper
Molybdenum
Zinc
Benzene
Benzo(a)pyrene
Bis(2EH)Phthalate
Chlordane
DDT
DDD
DDE
Dimethylnitrosamine
Lindane
Methylene Chloride
MEK
Phenanthrene
Toxaphene
Trichloroethylene
Carbon Tetrachloride
Chlorobenzene
Chloroform
Cresol
2,4 D
1,4 Dichlorobenzene
1,2 Dichloroethane
1,1 Dichloroethylene
2,4 Dinitrotoluene
Endrin
Heptachlor
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
Methoxychlor
Nitrobenzene
Pentachlorophenol
Pyridine
Tetrachloroethylene
2,4,5 Trichlorophenol
2,4,6 Trichlorophenol

2,4,5 TP Silvex
Vinyl Chloride
Boron

**TOTAL ANALYSIS**

Total Residue
Volatile Residue
PCB
pH
Cyanide
Oil & Grease
Ammonia-Nitrogen
Phenolics
Arsenic
Barium
Cadmium
Chromium
Lead
Mercury
Nickel
Selenium
Silver
Copper
Molybdenum
Zinc
Benzene
Benzo(a)Phthalate
Bis(2ethylhexyl)Phthalate
Chlordane
DDT
DDD
DDE
Dimethylnitrosamine
Lindane
Methylene Chloride
MEK
Phenanthrene
Toxaphene
Trichloroethylene
Reactivity
Ignitability
Corrosivity
Paint Filter

**ASTM ANALYSIS**

Oil & Grease
Ammonia Nitrogen
Cyanide
TOX
COD
TOC
pH
Total Volatile Residue
Total Filterable Residue

# CERTIFICATE OF ANALYSIS

RMC Analytics

Upper Montgomery Joint Authority
P.O. BOX 6
Pennsburg, PA 18073

Report No. : 932351
Sample Date: 06/30/93
Sampled By : N/A
Received : 06/30/93
Reported : 07/15/93
P.O. Number: VERBAL

RMC Number : 7906
Sample Description: UMJA SLUDGE

| Repl | Parameter | Result | RCRA LIMITS | Date Anl Completed | Ana-lyst | Method |
|---|---|---|---|---|---|---|
| 1 | ANTIMONY,TOTAL (TCLP) | <0.100 MG/L | | 07/07/93 | KWC | EPA 6010 |
| 1 | ARSENIC, TOTAL | 1.52 MG/KG | | 07/09/93 | BAK | EPA 7060 |
| 1 | ARSENIC, TOTAL (TCLP) | <0.100 MG/L | 5.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | BARIUM, TOTAL | 297 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | BARIUM, TOTAL (TCLP) | 0.559 MG/L | 100.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | BORON (TCLP) | 0.352 MG/L | | 07/07/93 | KWC | EPA 6010 |
| 1 | CADMIUM, TOTAL | <1.00 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | CADMIUM, TOTAL (TCLP) | <0.050 MG/L | 1.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | CHROMIUM, HEXAVALENT, TOTAL (TCLP) | <0.002 MG/L | | 07/13/93 | BAK | EPA 218.4 |
| 1 | CHROMIUM, TOTAL | 98.4 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | CHROMIUM, TOTAL (TCLP) | <0.050 MG/L | 5.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | COPPER, TOTAL | 214 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | COPPER, TOTAL (TCLP) | <0.050 MG/L | | 07/07/93 | KWC | EPA 6010 |
| 1 | LEAD, TOTAL | 50.0 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | LEAD, TOTAL (TCLP) | <0.100 MG/L | 5.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | MERCURY, TOTAL | 1.3 MG/KG | | 07/01/93 | JNO | EPA 7470, 7471 |
| 1 | MERCURY, TOTAL (TCLP) | <0.0002 MG/L | 0.2 MG/L | 07/08/93 | JNO | EPA 7470 |
| 1 | MOLYBDENUM, TOTAL | <10.0 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | MOLYBDENUM,TOTAL (TCLP) | <0.500 MG/L | | 07/07/93 | KWC | EPA 200.7 |
| 1 | NICKEL, TOTAL | 31.0 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | NICKEL, TOTAL (TCLP) | 0.255 MG/L | | 07/07/93 | KWC | EPA 6010 |
| 1 | SELENIUM, TOTAL | 0.844 MG/KG | | 07/12/93 | BAK | EPA 7740 |
| 1 | SELENIUM, TOTAL (TCLP) | <0.100 MG/L | 1.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | SILVER, TOTAL | 5.89 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | SILVER, TOTAL (TCLP) | <0.050 MG/L | 5.0 MG/L | 07/07/93 | KWC | EPA 6010 |
| 1 | ZINC, TOTAL | 205 MG/KG | | 07/07/93 | KWC | EPA 6010 |
| 1 | ZINC, TOTAL (TCLP) | 1.26 MG/L | | 07/07/93 | KWC | EPA 6010 |
| 1 | AMMONIA (SOLID-DIST.) | 340 MG/KG | | 07/06/93 | ABB | EPA 350.1 (MOD) |
| 1 | AMMONIA-NITROGEN(WATER LEACH) | 2.6 MG/L | | 07/06/93 | ABB | EPA 350.1 |
| 1 | CHEMICAL OXYGEN DEMAND(WATER LEACH) | 38 MG/L | | 07/06/93 | LAC | EPA 410.4 |

Approved By:

Twila E. Dixon
Laboratory Manager



AR300046

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# CERTIFICATE OF ANALYSIS

RMC Analytics

Upper Montgomery Joint Authority
P.O. BOX 6
Pennsburg, PA 18073

Report No. : 932351
Sample Date: 06/30/93
Sampled By : N/A
Received : 06/30/93
Reported : 07/15/93
P.O. Number: VERBAL

RMC Number : 7906
Sample Description: UMJA SLUDGE

| Rep# | Parameter | Result | RCRA LIMITS | Date Anl Completed | Ana-lyst | Method |
|---|---|---|---|---|---|---|
| 1 | CYANIDE, TOTAL (MACRO DIST.) | 3.71 MG/KG | | 07/06/93 | BLB | EPA 9012 |
| 1 | CYANIDE, TOTAL (WATER LEACH) | <0.005 MG/L | | 07/06/93 | BLB | EPA 9012 |
| 1 | PHENOLICS (MACRO DIST.) | 1.9 MG/KG | | 07/09/93 | ABB | EPA 9066 |
| 1 | PHENOLICS (TCLP) | <0.05 MG/L | | 07/06/93 | ABB | EPA 9066 |
| 1 | FORM 43 PEST & PCB (SOLID) | SEE PEST. ATTACHMENT | | 07/08/93 | JAI | EPA 8080 |
| 1 | FORM 43 PEST & PCB (TCLP) | SEE PEST. ATTACHMENT | | 07/07/93 | JAI | EPA 8080 |
| 1 | HERBICIDE: 2,4,5-TP (TCLP) | <100 UG/L | 1.0 MG/L | 07/09/93 | SDF | EPA 8150 |
| 1 | HERBICIDE: 2,4-D (TCLP) | <1000 UG/L | 10.0 MG/L | 07/09/93 | SDF | EPA 8150 |
| 1 | FORM 43 SEMI-VOLATILES (SOLID) | SEE SEMI-VOL. ATTACHMENT | | 07/08/93 | JVG | EPA 8270 |
| 1 | FORM 43 SEMI-VOLATILES (TCLP) | SEE SEMI-VOL. ATTACHMENT | | 07/08/93 | JVG | EPA 8270 |
| 1 | FORM 43 VOLATILES (SOLID) | SEE VOL. ATTACHMENT | | 07/02/93 | DEM | EPA 8240 |
| 1 | FORM 43 VOLATILES (TCLP) | SEE VOL. ATTACHMENT | | 07/07/93 | SDW | EPA 8240 |
| 1 | PH (SOLID) | 7.50 | | 07/01/93 | LAC | EPA 9045 |
| 1 | PH(WATER LEACHATE) | 7.59 | | 07/02/93 | JNO | EPA 150.1 |
| 1 | PH (TCLP - NON-VOLATILE) | 5.16 | | 07/02/93 | JNO | EPA 150.1 |
| 1 | PH (TCLP - ZERO HEADSPACE) | 5.19 | | 07/02/93 | JNO | EPA 150.1 |
| 1 | TCLP SETUP - NON-VOLATILES | COMPLETED | | 07/02/93 | JNO | EPA 1311 |
| 1 | TCLP SETUP - VOLATILES | COMPLETED | | 07/02/93 | JNO | EPA 1311 |
| 1 | OIL + GREASE (SOLID) | 320 MG/KG | | 07/09/93 | KAJ | EPA 9070,9071,413.2IR |
| 1 | OIL + GREASE(WATER LEACH) | <0.25 MG/L | | 07/09/93 | KAJ | EPA 413.2 |
| 1 | CARBON, TOTAL ORGANIC (WATER LEACH) | 15.6 MG/L | | 07/07/93 | SPK | EPA 9060 |
| 1 | CORROSIVITY | NOT CORROSIVE (7.50) | 2-12.5 | 07/01/93 | LAC | SW-846, SEC 7.2.1A |
| 1 | IGNITABILITY (SOLID) | NOT IGNITABLE | | 07/02/93 | JNO | ASTM D-4982-89A |
| 1 | PAINT FILTER TEST | NO FREE LIQUIDS | | 07/01/93 | LAC | EPA 9095 |
| 1 | REACTIVITY | NOT REACTIVE | | 07/02/93 | JNO | SW-846, SEC. 7.3 |
| 1 | REACTIVITY: CYANIDE | <1 MG/KG | 250 MG/KG | 07/01/93 | ABB | SW846, SEC 7.3 |
| 1 | REACTIVITY: SULFIDE | <50 MG/KG | 500 MG/KG | 07/01/93 | BLB | SW-846, SEC. 7.3 |
| 1 | TOTAL DISSOLVED SOLIDS(WATER LEACH) | 181 MG/L | | 07/06/93 | LMS | EPA 160.1 |
| 1 | TOTAL ORGANIC HALOGENS(WATER LEACH) | 54 UG/L | | 07/08/93 | SPK | EPA 9020 |
| 1 | TOTAL SOLIDS | 252000 MG/KG | | 07/01/93 | LMS | EPA 160.3 |

Approved By:

Twila E. Dixon
Laboratory Manager

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# CERTIFICATE OF ANALYSIS

RMC Analytics

Upper Montgomery Joint Authority
P.O. BOX 6
Pennsburg, PA 18073

Report No. : 932351
Sample Date: 06/30/93
Sampled By : N/A
Received : 06/30/93
Reported : 07/15/93
P.O. Number: VERBAL

RMC Number : 7906
Sample Description: UMJA SLUDGE

| Repl | Parameter | Result | RCRA LIMITS | Date Anl Completed | Ana-lyst | Method |
|---|---|---|---|---|---|---|
| 1 | TOTAL VOLATILE SOLIDS | 509000 MG/KG | | 07/01/93 | LMS | EPA 160.4 |
| 1 | TOTAL VOLATILE SOLIDS (WATER LEACH) | 29 MG/L | | 07/06/93 | LMS | EPA 160.4 |
| 1 | WATER LEACHATE SET UP | COMPLETED | | 07/02/93 | JNO | ASTM D3987-85 |

Approved By:

Twila E. Dixon
Laboratory Manager



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# CERTIFICATE OF ANALYSIS

RMC Analytics

CLIENT I.D. : UMJA SLUDGE
RMC I.D. : 7906

DATE ANALYZED: Jul 8, 1993
ANALYZED BY: JAI

## Pesticides

| | ug/Kg | | ug/Kg |
|---|---|---|---|
| a-BHC | <8.00 | 4,4'-DDD | <16.0 |
| g-BHC | <8.00 | endrin aldehyde | <16.0 |
| b-BHC | <8.00 | endosulfan sulfate | <16.0 |
| d-BHC | <8.00 | 4,4'-DDT | <16.0 |
| heptachlor | <8.00 | chlordane | <80.0 |
| aldrin | <8.00 | toxaphene | <160 |
| heptachlor epoxide | <8.00 | PCB-1016 | <80.0 |
| endosulfan I | <8.00 | PCB-1221 | <80.0 |
| 4,4'-DDE | <16.0 | PCB-1232 | <80.0 |
| dieldrin | <16.0 | PCB-1242 | <80.0 |
| endrin | <16.0 | PCB-1248 | <80.0 |
| endosulfan II | <16.0 | PCB-1254 | <160 |
| | | PCB-1260 | <160 |

<X=Not detected;value indicates minimum quantifiable limit.

Approved By:

AR300049

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# CERTIFICATE OF ANALYSIS

RMC Analytics

## Summary of Toxicity Characteristic Leaching Procedure

CLIENT I.D. : UMJA SLUDGE
RMC I.D. : 7906

DATE ANALYZED: Jul 7, 1993
ANALYZED BY: JAI

**Pesticides**

| | ug/L | | ug/L |
|---|---|---|---|
| g-BHC (Lindane) | <40 | methoxychlor | <1000 |
| heptachlor | <0.8 | 4,4'-DDT | <2.0 |
| heptachlor epoxide | <0.8 | chlordane | <3.0 |
| 4,4'-DDE | <2.0 | toxaphene | <50 |
| endrin | <2.0 | 4,4'-DDD | <2.0 |

<X=Not detected;value indicates minimum quantifiable limit.

Approved By: John C Pollock

AR300050

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# CERTIFICATE OF ANALYSIS

RMC Analytics

## Semivolatile Analysis Data

CLIENT I.D. : UMJA SLUDGE
RMC I.D. : 932351-7906

Date Analyzed : 07/08/93
Analyzed By : JVG

| COMPOUND | UG/KG | QL | COMPOUND | UG/KG | QL |
|---|---|---|---|---|---|
| N-Nitrosodimethylamine | U | 330 | 4-Nitrophenol | U | 1700 |
| bis(2-Chloroethyl)Ether | U | 330 | Fluorene | U | 330 |
| Phenol | U | 330 | Diethylphthalate | U | 330 |
| 2-Chlorophenol | U | 330 | 4-Chlorophenyl-phenylether | U | 330 |
| 1,3-Dichlorobenzene | U | 330 | 4,6-Dinitro-2-methylphenol | U | 1700 |
| 1,4-Dichlorobenzene | 120 JB | 330 | N-Nitrosodiphenylamine | U | 330 |
| 1,2-Dichlorobenzene | U | 330 | 1,2-Diphenyl Hydrazine | U | 330 |
| bis(2-chloroisopropyl)ether | U | 330 | 4-Bromophenyl-phenylether | U | 330 |
| Hexachloroethane | U | 330 | Hexachlorobenzene | U | 330 |
| N-Nitroso-Di-n-propylamine | U | 330 | Pentachlorophenol | U | 1700 |
| Nitrobenzene | U | 330 | Phenanthrene | U | 330 |
| Isophorone | U | 330 | Anthracene | U | 330 |
| 2-Nitrophenol | U | 330 | Di-n-butylphthalate | U | 330 |
| 2,4-Dimethylphenol | U | 330 | Fluoranthene | U | 330 |
| bis(2-Chloroethoxy)methane | U | 330 | Pyrene | U | 330 |
| 2,4-Dichlorophenol | U | 330 | Benzidine | U | 2600 |
| 1,2,4-Trichlorobenzene | U | 330 | Butylbenzylphthalate | U | 330 |
| Naphthalene | U | 330 | Benzo(a)anthracene | U | 330 |
| Hexachlorobutadiene | U | 330 | 3,3'-Dichlorobenzidine | U | 660 |
| 4-Chloro-3-methylphenol | U | 330 | Chrysene | U | 330 |
| Hexachlorocyclopentadiene | U | 330 | bis(2-Ethylhexyl)phthalate | 2000 | 330 |
| 2,4,6-Trichlorophenol | U | 330 | Di-n-octylphthalate | U | 330 |
| 2-Chloronaphthalene | U | 330 | Benzo(b)fluoranthene | U | 330 |
| Acenaphthylene | U | 330 | Benzo(k)fluoranthene | U | 330 |
| Dimethylphthalate | U | 330 | Benzo(a)pyrene | U | 330 |
| 2,6-Dinitrotoluene | U | 330 | Indeno(1,2,3-cd)pyrene | U | 330 |
| Acenaphthene | U | 330 | Dibenzo(a,h)anthracene | U | 330 |
| 2,4-Dinitrophenol | U | 1700 | Benzo(g,h,i)perylene | U | 330 |
| 2,4-Dinitrotoluene | U | 330 | | | |

| SURROGATE COMPOUNDS | RECOVERY |
|---|---|
| 2-Fluorophenol | 77 % |
| Phenol-d5 | 79 % |
| Nitrobenzene-d5 | 84 % |
| 2-Fluorobiphenyl | 104 % |
| 2,4,6-Tribromophenol | 103 % |
| Terphenyl-d14 | 92 % |

Percent Solid of 100. is used for all Target compounds.
QL = Sample specific quantitation limit

Qualifiers

(J) Indicates an estimated value
(B) Indicates compound found in blank
(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out

Approved By _____

AR300051

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# CERTIFICATE OF ANALYSIS

RMC Analytics

Semivolatile Analysis Data

Client I.D. : UMJA SLUDGE
RMC I.D. : 932351-7906 TCLP

Date Analyzed : 07/08/93
Analyst : JVG

| Compound | uG/L | QL | Compound | uG/L | QL |
|---|---|---|---|---|---|
| Pyridine | U | 100 | 2,4,5-Trichlorophenol | U | 500 |
| N-Nitrosodimethylamine | U | 100 | 2,4-Dinitrotoluene | U | 100 |
| 2-Methylphenol | U | 100 | Hexachlorobenzene | U | 100 |
| Hexachloroethane | U | 100 | Pentachlorophenol | U | 500 |
| 3- & 4-Methylphenol | U | 100 | Phenanthrene | U | 100 |
| Nitrobenzene | U | 100 | bis(2-Ethylhexyl)phthalate | U | 100 |
| Hexachlorobutadiene | U | 100 | Benzo(a)pyrene | U | 100 |
| 2,4,6-Trichlorophenol | U | 100 | | | |

| Surrogate Compounds | Recovery |
|---|---|
| 2-Fluorophenol | 16 % |
| Phenol-d5 | 19 % |
| Nitrobenzene-d5 | 96 % |
| 2-Fluorobiphenyl | 88 % |
| 2,4,6-Tribromophenol | 13 % |
| Terphenyl-d14 | 99 % |

Percent solid of 100. is used for all Target compounds.
QL = Sample specific quantitation limit.

Qualifiers:
( J ) Indicates an estimated value.
( B ) Indicates compound found in blank.
( U ) Indicates compound not detected.
( D ) Indicates surrogates have been diluted out.

Approved by

AR300052

TRI-COUNTY BUSINESS CAMPUS · 88 ROBINSON STREET · POTTSTOWN, PA 19464 · 215-327-4850 · FAX 215-327-4852
CO: NA · CT: PH-0667 · DE: REC-PA · MD: 150 · MA: PA060 · MI: REC-PA · NH: 25391-A · NJ: 77434 · PA: 46-253 · VA: 00296 · WI: 999902530

# CERTIFICATE OF ANALYSIS

RMC Analytics

RMC Environmental Chemistry Laboratory
Volatile Organic Analysis Data

CLIENT I.D. : UMJA SLUDGE
RMC I.D. : 932351-7906

Date Analyzed : 07/02/93
Analyzed By : DEM

| COMPOUND | UG/KG | QL | COMPOUND | UG/KG | QL |
|---|---|---|---|---|---|
| Chloromethane | U | 50 | 1,2-Dichloropropane | U | 25 |
| Bromomethane | U | 50 | cis-1,3-Dichloropropene | U | 25 |
| Vinyl Chloride | U | 50 | Trichloroethene | U | 25 |
| Chloroethane | U | 50 | Benzene | U | 25 |
| Methylene Chloride | 70 B | 25 | Dibromochloromethane | U | 25 |
| Trichlorofluoromethane | U | 25 | 1,1,2-Trichloroethane | U | 25 |
| 1,1-Dichloroethene | U | 25 | trans-1,3-Dichloropropene | U | 25 |
| 1,1-Dichloroethane | U | 25 | Bromoform | U | 25 |
| 1,2-Dichloroethene (total) | U | 25 | Tetrachloroethene | U | 25 |
| Chloroform | U | 25 | 1,1,2,2-Tetrachloroethane | U | 25 |
| 1,2-Dichloroethane | U | 25 | Toluene | U | 25 |
| 2-Butanone | U | 50 | Chlorobenzene | U | 25 |
| 1,1,1-Trichloroethane | U | 25 | Ethylbenzene | U | 25 |
| Carbon Tetrachloride | U | 25 | 1,3-Dichlorobenzene | U | 25 |
| Bromodichloromethane | U | 25 | 1,2 & 1,4-Dichlorobenzene | U | 25 |

| SURROGATE COMPOUNDS | RECOVERY |
|---|---|
| 1,2-Dichloroethane-d4 | 109 % |
| Toluene-d8 | 119 % |
| Bromofluorobenzene | 111 % |

QL = Sample specific quantitation limit

Qualifiers
(J) Indicates an estimated value
(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out
(B) Indicates compound found in blank

Percent Solid of 100. is used for all Target compounds.

Approved By _____

AR300053

# CERTIFICATE OF ANALYSIS

RMC Analytics

RMC Environmental Chemistry Laboratory
Volatile Organic Analysis Data

CLIENT I.D. : UMJA SLUDGE
RMC I.D. : 932351-7906 TCLP

Date Analyzed : 07/07/93
Analyzed By : SDW

| COMPOUND | UG/L | QL | COMPOUND | UG/L | QL |
|---|---|---|---|---|---|
| Vinyl Chloride | U | 100 | Carbon Tetrachloride | U | 50 |
| Methylene Chloride | 120 B | 50 | Trichloroethene | U | 50 |
| 1,1-Dichloroethene | U | 50 | Benzene | U | 50 |
| Chloroform | 23 JB | 50 | Tetrachloroethene | U | 50 |
| 1,2-Dichloroethane | U | 50 | Chlorobenzene | U | 50 |
| 2-Butanone | U | 100 | 1,2 & 1,4-Dichlorobenzene | 23 JB | 50 |

| SURROGATE COMPOUNDS | RECOVERY |
|---|---|
| 1,2-Dichloroethane-d4 | 101 % |
| Toluene-d8 | 103 % |
| Bromofluorobenzene | 98 % |

QL = Sample specific quantitation limit

Qualifiers
(J) Indicates an estimated value
(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out
(B) Indicates compound found in blank

Approved By _____

AR300054

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# CERTIFICATE OF ANALYSIS

RMC Analytics

Semivolatile Analysis Data

CLIENT I.D. : >C0495 METHOD BLANK
RMC I.D. : METHOD BLANK
Date Analyzed : 07/08/93
Analyzed By : JVG

| COMPOUND | UG/KG | QL | COMPOUND | UG/KG | QL |
|---|---|---|---|---|---|
| N-Nitrosodimethylamine | U | 330 | 4-Nitrophenol | U | 1700 |
| bis(2-Chloroethyl)Ether | U | 330 | Fluorene | U | 330 |
| Phenol | U | 330 | Diethylphthalate | U | 330 |
| 2-Chlorophenol | U | 330 | 4-Chlorophenyl-phenylether | U | 330 |
| 1,3-Dichlorobenzene | U | 330 | 4,6-Dinitro-2-methylphenol | U | 1700 |
| 1,4-Dichlorobenzene | 75 J | 330 | N-Nitrosodiphenylamine | U | 330 |
| 1,2-Dichlorobenzene | U | 330 | 1,2-Diphenyl Hydrazine | U | 330 |
| bis(2-chloroisopropyl)ether | U | 330 | 4-Bromophenyl-phenylether | U | 330 |
| Hexachloroethane | U | 330 | Hexachlorobenzene | U | 330 |
| N-Nitroso-Di-n-propylamine | U | 330 | Pentachlorophenol | U | 1700 |
| Nitrobenzene | U | 330 | Phenanthrene | U | 330 |
| Isophorone | U | 330 | Anthracene | U | 330 |
| 2-Nitrophenol | U | 330 | Di-n-butylphthalate | U | 330 |
| 2,4-Dimethylphenol | U | 330 | Fluoranthene | U | 330 |
| bis(2-Chloroethoxy)methane | U | 330 | Pyrene | U | 330 |
| 2,4-Dichlorophenol | U | 330 | Benzidine | U | 2600 |
| 1,2,4-Trichlorobenzene | U | 330 | Butylbenzylphthalate | U | 330 |
| Naphthalene | U | 330 | Benzo(a)anthracene | U | 330 |
| Hexachlorobutadiene | U | 330 | 3,3'-Dichlorobenzidine | U | 660 |
| 4-Chloro-3-methylphenol | U | 330 | Chrysene | U | 330 |
| Hexachlorocyclopentadiene | U | 330 | bis(2-Ethylhexyl)phthalate | U | 330 |
| 2,4,6-Trichlorophenol | U | 330 | Di-n-octylphthalate | U | 330 |
| 2-Chloronaphthalene | U | 330 | Benzo(b)fluoranthene | U | 330 |
| Acenaphthylene | U | 330 | Benzo(k)fluoranthene | U | 330 |
| Dimethylphthalate | U | 330 | Benzo(a)pyrene | U | 330 |
| 2,6-Dinitrotoluene | U | 330 | Indeno(1,2,3-cd)pyrene | U | 330 |
| Acenaphthene | U | 330 | Dibenzo(a,h)anthracene | U | 330 |
| 2,4-Dinitrophenol | U | 1700 | Benzo(g,h,i)perylene | U | 330 |
| 2,4-Dinitrotoluene | U | 330 | | | |

| SURROGATE COMPOUNDS | RECOVERY |
|---|---|
| 2-Fluorophenol | 72 % |
| Phenol-d5 | 67 % |
| Nitrobenzene-d5 | 64 % |
| 2-Fluorobiphenyl | 75 % |
| 2,4,6-Tribromophenol | 80 % |
| Terphenyl-d14 | 78 % |

Percent Solid of 100. is used for all Target compounds.
QL = Sample specific quantitation limit

Qualifiers

(J) Indicates an estimated value
(U) Indicates compound not detected
(B) Indicates compound found in blank
(D) Indicates surrogates have been diluted out

Approved By _____

AR300055

TRI-COUNTY BUSINESS CAMPUS • 88 ROBINSON STREET • POTTSTOWN, PA 19464 • 215-327-4850 • FAX 215-327-4852
CO: NA • CT: PH-0667 • DE: REC-PA • MD: 150 • MA: PA060 • MI: REC-PA • NH: 25391-A • NJ: 77434 • PA: 46-253 • VA: 00298 • WI: 999902530

# CERTIFICATE OF ANALYSIS

RMC Analytics

Semivolatile Analysis Data

Client I.D. : E2986 METHOD BLANK
RMC I.D. : METHOD BLANK

Date Analyzed : 07/08/93
Analyst : JVG

| Compound | uG/L | QL | Compound | uG/L | QL |
|---|---|---|---|---|---|
| Pyridine | U | 100 | 2,4,5-Trichlorophenol | U | 500 |
| N-Nitrosodimethylamine | U | 100 | 2,4-Dinitrotoluene | U | 100 |
| 2-Methylphenol | U | 100 | Hexachlorobenzene | U | 100 |
| Hexachloroethane | U | 100 | Pentachlorophenol | U | 500 |
| 3- & 4-Methylphenol | U | 100 | Phenanthrene | U | 100 |
| Nitrobenzene | U | 100 | bis(2-Ethylhexyl)phthalate | U | 100 |
| Hexachlorobutadiene | U | 100 | Benzo(a)pyrene | U | 100 |
| 2,4,6-Trichlorophenol | U | 100 | | | |

| Surrogate Compounds | Recovery |
|---|---|
| 2-Fluorophenol | 79 % |
| Phenol-d5 | 65 % |
| Nitrobenzene-d5 | 89 % |
| 2-Fluorobiphenyl | 87 % |
| 2,4,6-Tribromophenol | 76 % |
| Terphenyl-d14 | 93 % |

Percent solid of 100. is used for all Target compounds.
QL = Sample specific quantitation limit.

Qualifiers:
( J ) Indicates an estimated value.
( B ) Indicates compound found in blank.
( U ) Indicates compound not detected.
( D ) Indicates surrogates have been diluted out.

Approved by

300056

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# CERTIFICATE OF ANALYSIS

RMC Analytics

RMC Environmental Chemistry Laboratory
*Volatile Organic Analysis Data*

CLIENT I.D. : >B4528 METHOD BLANK
RMC I.D. : METHOD BLANK

Date Analyzed : 07/01/93
Analyzed By : DEM

| COMPOUND | UG/L | QL | COMPOUND | UG/L | QL |
|---|---|---|---|---|---|
| Chloromethane | U | 10 | 1,2-Dichloropropane | U | 5 |
| Bromomethane | U | 10 | cis-1,3-Dichloropropene | U | 5 |
| Vinyl Chloride | U | 10 | Trichloroethene | U | 5 |
| Chloroethane | U | 10 | Benzene | U | 5 |
| Methylene Chloride | 8 | 5 | Dibromochloromethane | U | 5 |
| Trichlorofluoromethane | U | 5 | 1,1,2-Trichloroethane | U | 5 |
| 1,1-Dichloroethene | U | 5 | trans-1,3-Dichloropropene | U | 5 |
| 1,1-Dichloroethane | U | 5 | Bromoform | U | 5 |
| 1,2-Dichloroethene (total) | U | 5 | Tetrachloroethene | U | 5 |
| Chloroform | U | 5 | 1,1,2,2-Tetrachloroethane | U | 5 |
| 1,2-Dichloroethane | U | 5 | Toluene | U | 5 |
| 2-Butanone | U | 10 | Chlorobenzene | U | 5 |
| 1,1,1-Trichloroethane | U | 5 | Ethylbenzene | U | 5 |
| Carbon Tetrachloride | U | 5 | 1,3-Dichlorobenzene | U | 5 |
| Bromodichloromethane | U | 5 | 1,2 & 1,4-Dichlorobenzene | U | 5 |

| SURROGATE COMPOUNDS | RECOVERY |
|---|---|
| 1,2-Dichloroethane-d4 | 102 % |
| Toluene-d8 | 100 % |
| Bromofluorobenzene | 99 % |

QL = Sample specific quantitation limit

Qualifiers
(J) Indicates an estimated value
(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out
(B) Indicates compound found in blank

Approved By _____

AR300057

# CERTIFICATE OF ANALYSIS

RMC Analytics

RMC Environmental Chemistry Laboratory
Volatile Organic Analysis Data

CLIENT I.D. : >B4565 METHOD BLANK
RMC I.D. : METHOD BLANK

Date Analyzed : 07/07/93
Analyzed By : SDW

| COMPOUND | UG/L | QL | COMPOUND | UG/L | QL |
|---|---|---|---|---|---|
| Vinyl Chloride | U | 10 | Carbon Tetrachloride | U | 5 |
| Methylene Chloride | 11 | 5 | Trichloroethene | U | 5 |
| 1,1-Dichloroethane | U | 5 | Benzene | U | 5 |
| Chloroform | 1 J | 5 | Tetrachloroethene | U | 5 |
| 1,2-Dichloroethane | U | 5 | Chlorobenzene | U | 5 |
| 2-Butanone | U | 10 | 1,2 & 1,4-Dichlorobenzene | 2 J | 5 |

| SURROGATE COMPOUNDS | RECOVERY |
|---|---|
| 1,2-Dichloroethane-d4 | 99 % |
| Toluene-d8 | 98 % |
| Bromofluorobenzene | 95 % |

QL = Sample specific quantitation limit

Qualifiers
(J) Indicates an estimated value
(U) Indicates compound not detected
(D) Indicates surrogates have been diluted out
(B) Indicates compound found in blank

Approved By _____

AR300058

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RMC Analytics
A Division of RMC Environmental Services, Inc.
88 Robinson Street
Pottstown, Pa. 19464
(215) 327-4850

Client: Upper Montgomery Joint Authority VIP #:
Address: 1100 Mensch Dam Road, PO Box 6
Pennsburg PA 18073
Phone: 679-5133
Samplers:
Job No.:

Lab Contact:
Sales Order No.:
P.O. Number:

| Turnaround Time | Normal [ ] | Rush [ ] |
|---|---|---|
| *Sample* | Return to Client | [X] |
| *Disposal* | Disposal by Lab | [ ] |

**RMC USE ONLY**
932351

CHAIN OF CUSTODY

| RMC only Lab ID | Sample Identification | Matrix Code * | Sample Date | Sample Time | No. Container/Size / Analysis Requested: ORGANICS VOA | BNA | Pest/ PCB | Herb | | | | INORGANICS Metals | Cn | NH3 | Wet Chem | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7906 | UMJA sludge | SL | 6/30/93 | | | | | | | | | | | | | | | |
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**Potential Hazard Identification:**
Non-Hazard [ ] Flammable [ ] Unknown [ ]
Skin-irritant [ ] Poison [ ]

**QA/QC Reporting Requirements** (Circle one)
None Standard Tier II CLP
Other (specify):

| Relinquished By: | Received By: | Time: | Date: | Relinquished By: | Received By: | Time: | Date: |
|---|---|---|---|---|---|---|---|
| B. Bauer | L. Uttuck | 0910 | 6/30/93 | | | | |

**Special Instructions:**

* Matrix Codes:

| | |
|---|---|
| S - soil | WW- waste water |
| SE - sediment | PW - potable water |
| SO - solid | SW - surface water |
| WS - solid waste | GW - ground water |
| DS - drum solids | DL - drum liquids |
| SL - sludge | ST - stormwater |
| O - oil | A - air |
| WI - wipe | F - fish |
| BI - biological | X - other |

**RMC Use Only**

Samples were:
1. Shipped or Hand-delivered
Notes:
2. Chilled or Ambient
Notes:
3. Received broken/leaking: Yes (No)
4. Properly preserved: Yes NP No
5. Received within holding times: (Yes) No

COC Tape Was:
1. Present on outer package: Yes (No)
2. Unbroken on outer package: Yes No
3. Present on sample: Yes (No)
4. Unbroken on sample: Yes No
5. Discrepancies between sample labels and COC record? Yes (No)

SMH 6/30/93

CHAIN OF CUSTODY

AR300059

# GENERATOR'S WASTE PROFILE SHEET
## INSTRUCTIONS

Information on this form, is used to determine if the waste may be transported, treated, stored or disposed in a legal, safe, and environmentally sound manner. This information will be maintained in strict confidence. Answers must be provided for all sections of this form, and must be printed in ink or typed. A response of "NONE," or "NA" (not applicable) can be made, if appropriate. If additional space is needed, indicate on the form that additional information is attached, and attach the information to the Generator's Waste Profile Sheet. Shaded areas of the attached form are for Contractor's use only. If you have questions concerning this form, please contact Contractor's sales representative.

**PART A. WASTE GENERATOR INFORMATION**

1. GENERATOR NAME – Enter the name of the facility where the waste is generated.
2. SIC CODE – Enter the 4–digit Standard Industrial Classification Code for the facility where the waste is generated.
3. FACILITY ADDRESS – Enter the street address (not P.O. Box) of the facility where the waste is generated.
4. GENERATOR CITY, STATE/PROVINCE – Enter the city and state or province where the waste is generated.
5. ZIP/POSTAL CODE – Enter the generating facility's zip or postal code.
6. GENERATOR USEPA/CANADIAN FEDERAL ID – Enter the identification number issued by the USEPA or CANADIAN FEDERAL AGENCY to the facility generating the waste (if applicable).
7. GENERATOR STATE/PROVINCE ID – Enter the identification number issued by the state or province to the facility generating the waste (if applicable).
8. TECHNICAL CONTACT – Enter the name of the person who can answer technical questions about the waste.
9. PHONE – Enter technical contact's telephone number.

**PART B. WASTE STREAM INFORMATION**

1. NAME OF WASTE – Enter a name generally descriptive of this waste (e.g., paint sludge, contaminated soil, incinerator ash, untreated medical waste, friable asbestos, fluorescent bulbs).
2. PROCESS GENERATING WASTE – List the specific process/operation or source that generates the waste (e.g., paint spray booth, spill clean up, incineration of municipal refuse, asbestos removal, building maintenance).
3. ANNUAL AMOUNT/UNITS – Enter the amount of waste that will be generated and transported annually. Use appropriate units to describe this volume (e.g., cubic yards, gallons, kilograms, pounds).
4. WASTE TYPE – Based upon reading the Contractor's Definition of Special Waste that is included in section B.5 of these instructions, determine whether your waste is a "Type A Special Waste" or a "Type B Special Waste". Indicate the proper response in the space provided.
5. SPECIAL HANDLING INSTRUCTIONS/SUPPLEMENTAL INFORMATION – For all wastes, describe any special handling requirements and any additional information that you feel would assist in determining the proper method(s) for transportation, treatment, storage, and disposal of the waste. For Type B Special Waste, provide the "supplemental information" requested after each applicable definition.

**CONTRACTOR'S DEFINITION OF SPECIAL WASTE**

a. **"Special Waste"** means Type A or Type B Special Wastes as defined below.

b. **"Type A Special Waste"** means any **waste from a commercial or industrial activity** meeting any of the following descriptions:
   - i. A waste from an industrial process.
   - ii. A waste from a pollution control process.
   - iii. A waste containing free liquids.
   - iv. Residue and debris from the cleanup of a spill of a chemical substance or commercial product or a waste listed in i.–iii., or v.–vii. of this definition.
   - v. Contaminated residuals, or articles from the cleanup of a facility generating, storing, treating, recycling, or disposing chemical substances, commercial products, or wastes listed in i.–iv., vi., or vii. of this definition.
   - vi. Any waste which is non–hazardous as a result of treatment pursuant to Subtitle C of the Resource Conservation and Recovery Act (RCRA).
   - vii. Chemical–containing equipment removed from service, in which the chemical composition and concentration are unknown.

c. **"Type B Special Waste"** means any **waste from a commercial or industrial activity** meeting any of the following descriptions:

i. **Friable asbestos waste from building demolition or cleaning;** wall board, wall or ceiling spray coverings, pipe insulation, etc. This does not include nonfriable asbestos unless it has been processed, handled or used in such a way that asbestos fibers may be freely released. Asbestos-bearing industrial process waste is a "Type A Special Waste".

**Supplemental Information** – List the source (e.g., building demolition, pipe insulation removal) of the asbestos or asbestos containing material(s) and the type of asbestos containing material (e.g., pipe insulation). List the proper USEPA or Federal (and/or state or provincial) waste identification code (if applicable). List the wetting agent(s) used to wet the asbestos material before packaging and include its chemical composition or a current Material Safety Data Sheet. List the size and type of container(s) that will be used to contain the asbestos. Indicate whether the asbestos has been contaminated with any other wastes, and if so, list them.

ii. **Commercial products or chemicals which are off-specification, outdated, unused, or banned.** Outdated or off-specification uncontaminated food or beverage products in original consumer containers are not included in this category, unless management of such containers is restricted by applicable regulations. Containers which once held commercial products or chemicals are included in this category unless an end has been removed (for containers larger than 25 gallons), and the container is empty as defined by RCRA, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), or other applicable regulations.

- RCRA considers a container to be empty when: all wastes have been removed that can be removed using the practices commonly employed to remove materials from the type of container (e.g., pouring, pumping or aspirating), and no more than 1 inch (2.54 centimeters) of residue remains on the bottom of the container or inner liner, or no more than 3% by weight of the total capacity of the container remains in the container or inner liner (for containers $\leq$ 110 gallons), or no more than 0.3% by weight of the total capacity of the container remains in the the container or inner liner (for containers > 110 gallons). Containers which once held **ACUTELY HAZARDOUS WASTES** must be triple rinsed with an appropriate solvent or cleaned by an equivalent method. The pressure in cylinders of compressed gas and aerosol cans must be substantially equivalent to atmospheric pressure.
- Containers which once held pesticides regulated under FIFRA must be emptied according to label instructions.

**Supplemental Information** – List the commercial product or chemical and include the proper waste identification code (if applicable) for that material. List whether the commerical product or chemical has been banned, if so why and by what agency. List whether the commercial product or chemical is off-specification and why. Attach copies of the most current Material Safety Data Sheets, if they exist. Indicate the current state of the waste (e.g. sludge, liquid, solid).

iii. **Untreated medical waste – Any waste capable of inducing infection due to contamination with infectious agents from bio-medical sources including but not limited to a hospital, medical clinic, nursing home, medical practitioner, mortuary, taxidermist, veterinarian, veterinary hospital, animal testing laboratory, or medical testing laboratory.** Sharps from these sources must be rendered harmless or placed in needle puncture-proof containers.

**Supplemental Information** – List the source from the list above. List the specific waste type(s) and include appropriate warnings for the handling of these wastes. Indicate any special requirements for the labeling, packaging and storage of these waste types.

iv. **Treated medical waste – Any wastes from a bio-medical source including but not limited to a hospital, medical clinic, nursing home, medical practitioner, mortuary, taxidermist, veterinarian, veterinary hospital, animal testing laboratory or medical testing laboratory which has been autoclaved or otherwise heat treated or sterilized so that it is no longer capable of inducing infection.** Any sharps from these sources must be rendered harmless or placed in needle puncture-proof containers. Residue from incineration of medical waste is a "Type A Special Waste".

**Supplemental Information** – List the source from the list above. Specify how the waste was treated.

v. **Residue/sludges from septic tanks, food service grease traps, or washwaters and wastewaters from commercial laundries, laundromats, and car washes, unless these wastes are managed at commercial or public treatment works.**

**Supplemental Information** – Indicate the physical state of the waste (e.g., liquid, sludge, solid). List the specific source(s) (e.g., septic tank pumpings from hotel) of the waste and indicate whether there are any industrial discharges incorporated into the waste. Indicate whether or not a commercial laundry cleans clothing that may be contaminated with chemicals from an industrial facility. List the types of vehicles cleaned at car washes. Include a statement that indicates whether the interiors of any truck, or the exteriors of bulk chemical or waste tank trucks are washed.

vi. **Chemical–containing equipment removed from service, in which the chemical composition and concentration are known (e.g., acetylene tanks, cathode ray tubes, lab equipment, fluorescent light tubes, etc.).**

**Supplemental Information** – List the specific equipment removed from service and any additional information pertaining to the chemical contained in that equipment, including type, concentration and volume.

vii. **Waste produced from the demolition or dismantling of industrial process equipment or facilities contaminated with chemicals from the industrial process.** Chemicals or residues removed or drained from such equipment or facilities are "Type A Special Wastes".

**Supplemental Information** – List the waste type(s) (e.g., piping, pumps, tanks) and the process type(s) from which they came. Indicate whether there are residuals contained in the process equipment. Describe the process used to decontaminate the equipment and list any chemicals or mixtures of chemicals that were used in the cleaning process. Attach a copy of the most current Material Safety Data Sheets for each of the chemicals used in the original process, the end product of the process, and the chemicals or mixtures of chemicals used in the cleaning process. Indicate whether this waste is contaminated with asbestos or asbestos insulation.

viii. **Incinerator ash generated at a Resource Recovery Facility that burned only non–hazardous household, commercial, or industrial waste and qualifies for the hazardous waste exclusion in 40 CFR 261.4(b).** If the regulatory authority does not recognize the household hazardous waste exclusion, then the ash is a "Type A Special Waste".

**Supplemental Information** – If the ash is wetted during storage or transportation, list the wetting agent(s) used and include its chemical composition or provide a current Material Safety Data Sheet.

6. INCIDENTAL AMOUNTS OF SPECIAL WASTE – The Contractor recognizes that many customers will produce some "Special Waste," as defined above. Incidental quantities of special waste (i.e., quantities that do not materially change the physical or chemical identity of the load or make it hazardous waste), do not require the customer to sign a Generator's Waste Profile Sheet. However, the customer must identify the type and amount of special wastes which will be provided to the Contractor in incidental amounts.

**PART C. TRANSPORTATION INFORMATION**

1. METHOD OF SHIPMENT – Indicate the anticipated method of shipment by checking the appropriate box.
2. SUPPLEMENTAL SHIPPING INFORMATION – Enter any additional shipping information.
3. INDICATE IF THIS WASTE IS A USDOT (see 49 CFR 171) OR CANADIAN FEDERAL HAZARDOUS MATERIAL. If so, answer Questions 4, 5, and 6 below.
4. HAZARD CLASS/ID –Enter the proper USDOT or Canadian Federal hazard class/enter the proper USDOT (see 49 CFR 172) or Canadian Federal Identification Number.
5. REPORTABLE QUANTITY (RQ)/Units (lb/kg) – Enter the RQ established by 40 CFR 302.4 or equivalent Canadian regulation for this waste. Indicate the appropriate units of the RQ.
6. SHIPPING NAME – Enter the proper USDOT or Canadian Federal shipping name for this waste.

**PART D. TECHINCAL MANAGER DECISION** – To be completed by Contractor's representative only.

**PART E. MANAGEMENT FACILITY INFORMATION/DECISION** – To be completed by Contractor's representative only.

**PART F. PHYSICAL CHARACTERISTICS OF WASTE** – <u>If Part B.4 was checked "Type B", go directly to Part J.</u>

1. COLOR – Describe the color of the waste (e.g., blue, transparent, varies).
2. ODOR – **DO NOT SMELL THE WASTE!** If the waste has a known incidental odor, then describe it (e.g., acrid, pungent, solvent, sweet).

3. PHYSICAL STATE – If the four boxes provided do not apply, a descriptive phrase may be entered after "Other" (e.g., gas).
4. LAYERS – Check all applicable boxes. Multi-layered means more than two layers (e.g., oil/water/sludge). Bi-layered means the waste is comprised of two layers which may or may not be of the same phase (e.g., oil/water, solvent/sludge). Single phased means the waste is homogeneous.
5. SPECIFIC GRAVITY – Indicate the range. The specific gravity of water is 1.0. Most organics are less than 1.0. Mo inorganics and paint sludge are greater than 1.0.
6. FREE LIQUIDS – Check "YES" if liquid is usually present when packaging for shipment and estimate the percent of liquid volume. CHECK "NO" if there are no free liquids as determined by the Paint Filter Test (Method 9095 of SW-846) or direct observation.
7. pH – Indicate for liquid portions of the waste. Check the appropriate boxes which cover the pH of the waste. Use the "Range" space if appropriate. For solid or organic liquid wastes, indicate the pH of a 10% aqueous solution of the waste if applicable. Check "NA" for non-water soluble materials (e.g., foundry sands).
8. FLASH POINT – Indicate the flash point obtained using the appropriate testing method.

**PART G. CHEMICAL COMPOSITION**

1. List all organic and/or inorganic components of the waste using **special chemical names**. If trade names are used, attach Material Safety Data Sheets or other documents which adequately describe the composition of the waste. For each component, estimate the range (in percents) in which the component is present. In addition, indicate whether any of the TCLP constituents are present in the waste. The total of the maximum values of the components must be greater than or equal to 100% including water, earth, etc.
2. If this waste contains PCBs, cyanides, or sulfides, indicate the concentration(s). If this waste does not contain these constituents, indicate by checking the "NO" box(es) which applies. If the concentration of these constituents is unknown, please indicate "UNK" under "ACTUAL."
3. Indicate whether the method used to determine the chemical composition in G.1. was the TCLP (Toxicity Characteristic Leaching Procedure) method, an analysis to determine the total concentrations, or another method. Specify the other method.

**PART H. SAMPLING SOURCE** – Describe exactly where the sample was taken (i.e., drum, lagoon, pond, tank, etc.).

**PART I. REPRESENTATIVE SAMPLE CERTIFICATION** – <u>This section only needs to be completed when providing waste sample to Contractor for testing.</u>

Some Special Wastes require analytical data to determine their chemical composition, regulatory status, and if they are acceptable for transportation, treatment or disposal. The sample should be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods," SW-846, USEPA, and/or 40 CFR 261.20(c), or equivalent rules. A suitable sample container for most wastes is a wide mouth glass bottle with a plastic cap having a non-reactive liner. Plastic containers are recommended for strong caustics or fluorides. Fill to approximately 90% of capacity to allow for expansion during transportation. The sample must be packed and shipped in accordance with U.S. DOT or Canadian equivalent regulations and any specific requirements imposed by the carrier. Improperly packaged samples may be disposed upon receipt.

1. PRINT SAMPLER'S NAME – Enter the sampler's name.
2. SAMPLE DATE – Enter the date that the sample was collected.
3. SAMPLER'S TITLE – Enter the sampler's title.
4. SAMPLER'S EMPLOYER – Enter the name of the sampler's employer.
5. SAMPLER'S SIGNATURE – The sampler must sign in the space provided.

**PART J. GENERATOR CERTIFICATION** – By signing this Generator's Waste Profile Sheet, the Generator certifies that the statements in Nos. 1, 2, 3, 4, 5, and 6 are true and accurate with respect to the waste streams listed.

7. SIGNATURE – An authorized employee of the Generator must sign this Generator's Waste Profile Sheet.
8. TITLE – Enter employee's title.
9. NAME – Enter employee's name.
10. DATE – Enter the date signed.

**KEEP A COPY OF THIS GENERATOR'S WASTE PROFILE SHEET FOR YOUR RECORDS. SEND THE ORIGINAL A ALL ATTACHMENTS TO THE CONTRACTOR'S SALES REPRESENTATIVE.**